



IN THE EVENT OF A CHEMICAL EMERGENCY INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CONTACT THE BELOW NUMBERS.

EMERGENCY 24 HOUR NUMBER

GENERAL INFORMATION NUMBER

Material Safety Data Sheet

CHEMTREC 1-800-424-9300

MAPEI 1-854-246-8888

CPSC STATEMENT

WARNING - CORROSIVE. SKIN AND EYE IRRITANT. VAPOR HARMFUL. CONTAINS KNOWN OR PROBABLE HUMAN CARCINOGEN. HARMFUL OR FATAL IF SWALLOWED.

DOT HAZARD CLASSIFICATION

Sulfamic acid mixture; 8; UN2967; PGIII (contains Sulfamic Acid)

IDENTITY (As shown on label):

KER 005 Keraclean

Heavy Duty Cleaner for Grouts and Ceramic Tiles

SECTION I - GENERAL INFORMATION

MANUFACTURER:

MAPEI CORPORATION
1144 East Newport Center Drive
Deerfield Beach, FL 33442

PREPARED BY:

Donald House
Manager of Product and Employee Safety

PRINT DATE:

Wednesday, July 11, 2001

SECTION II - PHYSICAL CHARACTERISTICS

Maximum VOC N/E
Boiling Point 212°F
Vapor Pressure (mmHg) 30
Vapor Density (AIR=1) 1
Specific Gravity (H2O=1) 1.1
Melting Point (F) N/A
Evaporation Rate (Butyl Acetate=1) Same as water.

Solubility in water Soluble
Appearance and Odor Clear liquid. Mild acid odor.

VOC calculated per (Rule 1164, South Coast Air Quality District - California)

SECTION III - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components

(specific chemical identity; common names):

Sulfamic Acid (CAS# 5329-14-6)

OSHA (PEL)

N/E

ACGIH
(TLV-TWA)

N/E

Other Limits
Recommended

N/E

% Percent
(Optional)
10 - 15%

FOR CALIFORNIA: THIS PRODUCT CONTAINS NO CHEMICALS REPORTABLE UNDER PROPOSITION 65.

HMIS (Hazardous Materials Identification System) Rating: Health - 3 Fire - 0 Reactivity - 1 Protection - H

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (F) - N/E

Lower Explosive Limit (%) - N/E

Upper Explosive Limit (%) - N/E

Extinguishing Media

Water spray, carbon dioxide, dry chemical or foam.

Special Fire Fighting Procedures

Wear standard fire fighting gear with self-contained breathing apparatus.

Unusual Fire and Explosion Hazards

Some decomposition products may be harmful.

SECTION V - REACTIVITY DATA

STABILITY: Stable

Conditions to Avoid None known.

Incompatibility (Materials to Avoid)

Alkaline (caustic) and chlorinated substances.

Hazard Decomposition of By-products

Sulfur dioxide, sulfur trioxide, carbon monoxide, carbon dioxide, oxides of nitrogen, and other unidentified organic compounds.

POLYMERIZATION: Will Not Occur

Conditions to Avoid

Uncontrolled reactions with excess epoxy resin.

SECTION VI - HEALTH HAZARD DATA

ROUTES OF ENTRY:

Inhalation? YES

Skin? YES

Ingestion? YES

HEALTH HAZARDS (ACUTE AND CHRONIC)

Acute: Inhalation or contact can cause irritation to eyes, skin, nose or throat to sensitive people. If ingested can cause nausea, vomiting, griping, and diarrhea.

Chronic:

CARCINOGENICITY: NTP - NO IARC - NO OSHA - NO

Signs and Symptoms of Overexposure

Nausea; vomiting; nose and throat irritation; eye irritation; and skin irritation.

Medical Conditions That Can Be Aggravated by Exposure

Allergies, skin and respiratory disorders. Product sensitivity.

EMERGENCY AND FIRST AID PROCEDURES

- Eyes -** Flush with cool water for 15 minutes while holding eyelid open. If irritation persists, seek medical attention immediately.
- Skin -** Avoid contact with skin. Remove contaminated clothing. Wash affected area thoroughly with soap and water. If irritation persists, seek immediate medical attention.
- Inhalation -** Remove to fresh air. If not breathing, trained personnel should initiate artificial respirations and immediate medical attention should be obtained.
- Ingestion -** Do not induce vomiting. Do not give anything by mouth to an unconscious person. Seek medical attention immediately.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken if Material is Leaked or Spilled

While using appropriate protective equipment, place spilled material in poly drum, or container requirement by local disposal company, and store in a safe place till material can be disposed of in accordance with regulations.

Waste Disposal Method

Dispose of in accordance with local, state, and federal regulations governing your location.

Precautions to be taken during Handling and Storage

Keep container closed when not in use. Store at 60-95°F and out of the sun. Use adequate ventilation to avoid breathing vapors when cover is removed.

Other Precautions

Avoid prolonged skin contact.

SECTION VIII - CONTROL MEASURES

Respiratory Protection: If workplace exposure limit of product is exceeded, a NIOSH/MSHA approved air supplied respirator is required in absence of proper environmental control. Engineering or administrative controls should be implemented to reduce exposure.

VENTILATION: Local Exhaust

Use in WELL VENTILATED areas only.

Special

N/A

Mechanical

Use only intrinsically safe devices.

Other

N/A

Eye Protection - Safety glasses or goggles as necessary to prevent eye contact.

Protective Gloves - Impervious. (Nitrile, rubber, or better)

Other Protective Equipment - As needed to minimize contact with skin.

WORK AND HYGIENE PRACTICE

Remove contaminated clothing immediately. Wash hands, after each use and before eating, drinking, or using toiletries. Minimize contact of product on skins.

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